

c. Amendments to Claims

1-9. (Canceled)

10. (Currently amended) A apparatus, comprising:

a solid that comprises ~~an~~ a crosslinked collection of amphiphilic organosilicate precursors; and

wherein the amphiphilic organosilicate precursors form a matrix with an array of micro-structures dispersed in the matrix.

11. (Original) The apparatus of claim 11, wherein the micro-structures are voids or pores in the matrix.

12. (Original) The apparatus of claim 11, wherein the voids or pores are hydrophilic and portions of the matrix not adjacent to the voids or pores are hydrophobic.

13. (Original) The apparatus of claim 11, wherein the solid is non-wettable by water.

14. (Original) The apparatus of claim 11, further comprising:

a planar optical waveguide comprising an optical core layer and the solid; and wherein the solid forms an optical cladding layer for the optical core layer.

15 – 20. (Canceled)